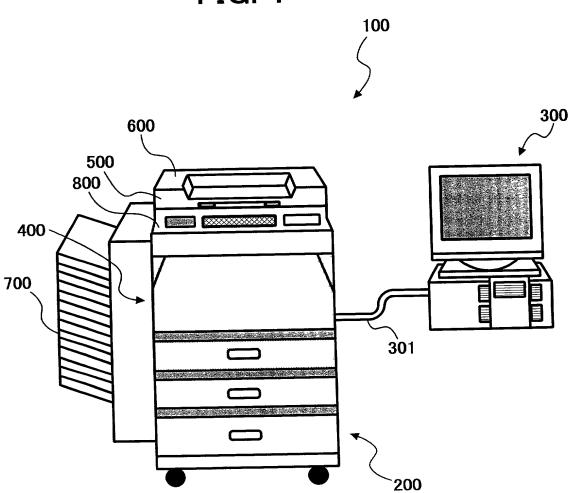
OBLON, SPIVAK, ET AL DOCKET #: 217822US-2

INV: TETSUO YAMANAKA ET AL

SHEET <u>1</u> OF <u>22</u>

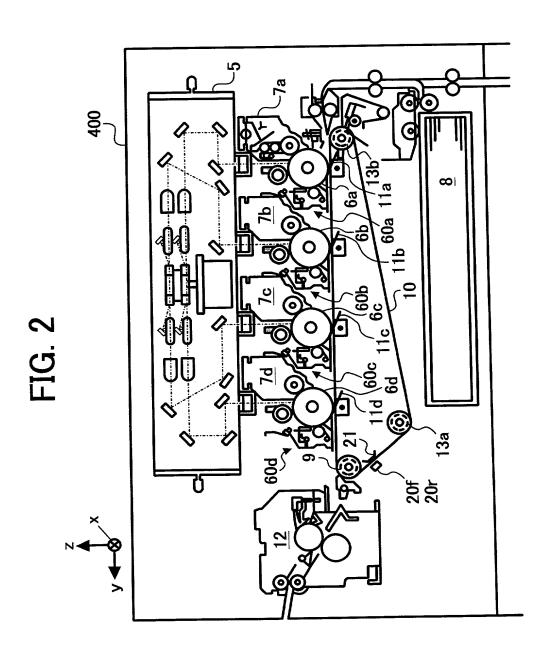
FIG. 1



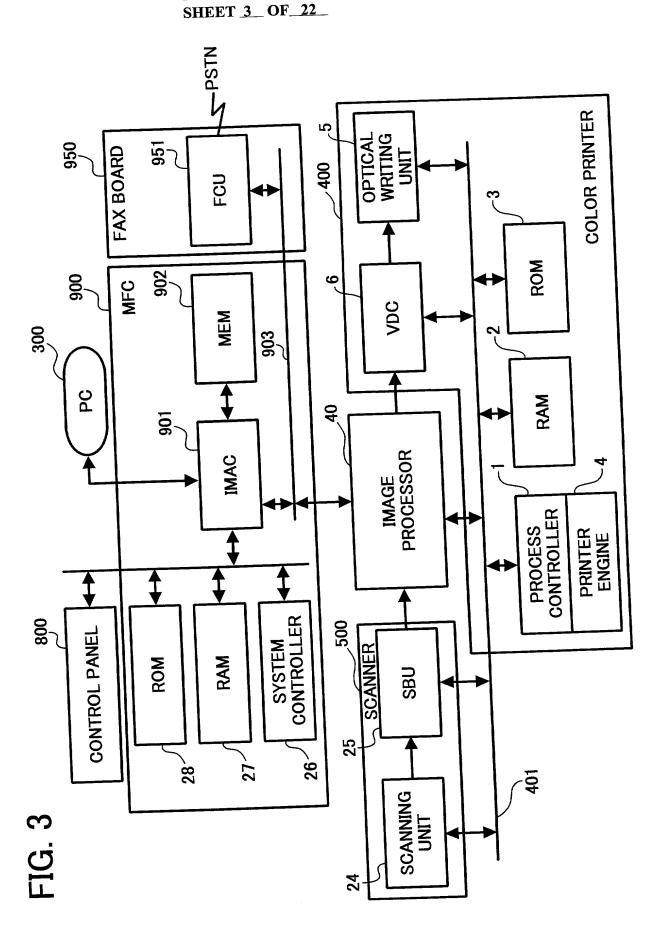
OBLON, SPIVAK, ET AL DOCKET #: 217822'US-2

INV: TETSUO YAMANAKA ET AL

SHEET 2 OF 22

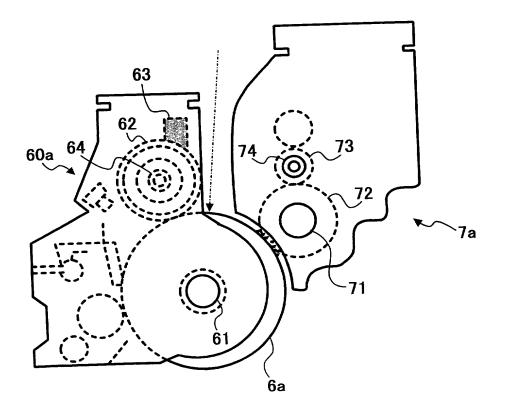


OBLON, SPIVAK, ET AL DOCKET #: 217822US-2 INV: TETSUO YAMANAKA ET AL



OBLON, SPIVAK, ET AL DOCKET #: 217822US-2 INV: TETSUO YAMANAKA ET AL SHEET 4_ OF_22_

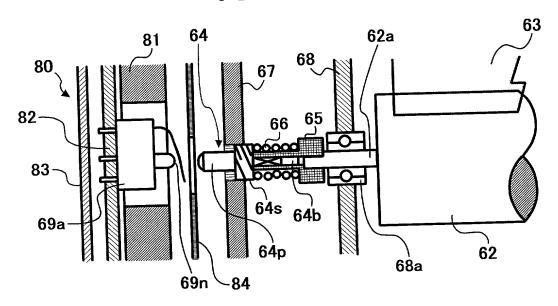
FIG. 4

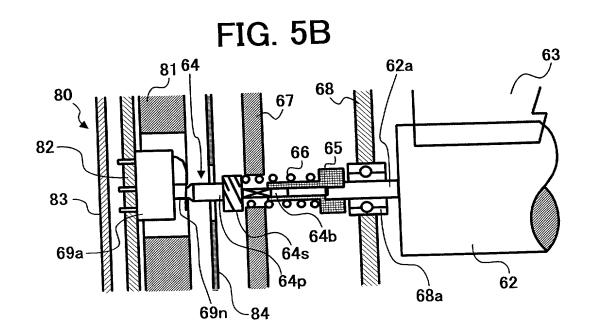


and of the second secon

OBLON, SPIVAK, ET AL DOCKET #: 217822US-2 INV: TETSUO YAMANAKA ET AL SHEET <u>5</u> OF <u>22</u>

FIG. 5A

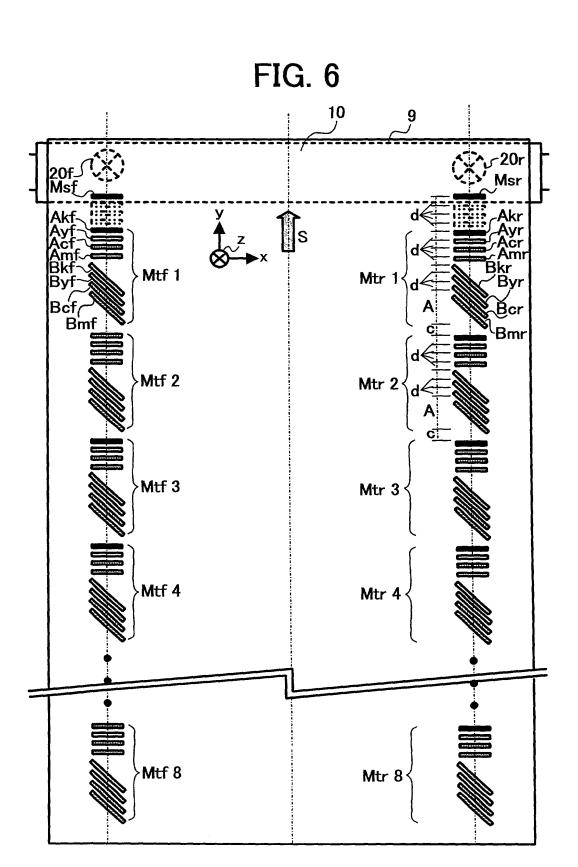




OBLON, SPIVAK, ET AL DOCKET #: 217822US-2

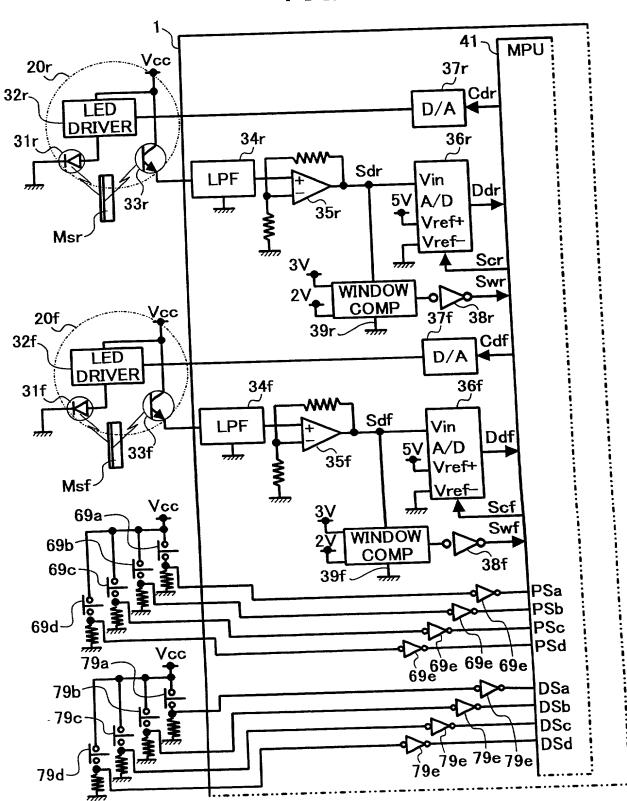
INV: TETSUO YAMANAKA ET AL

SHEET <u>6</u> OF <u>22</u>



OBLON, SPIVAK, ET AL DOCKET #: 217822US-2 INV: TETSUO YAMANAKA ET AL SHEET 7_ OF_22_

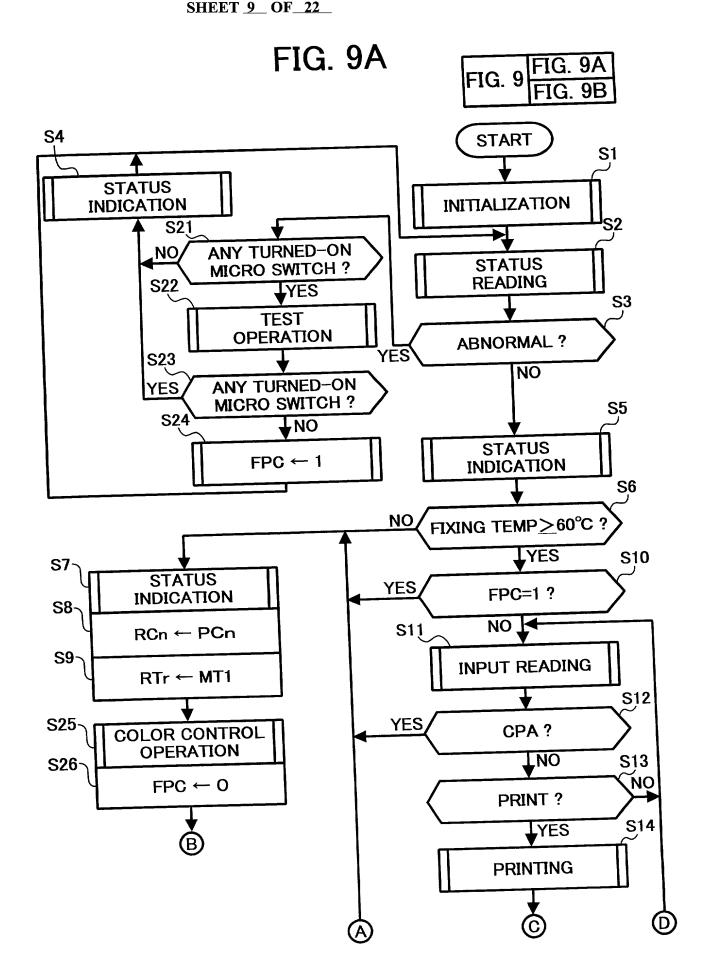
FIG. 7



OBLON, SPIVAK, ET AL DOCKET #: 217822US-2 INV: TETSUO YAMANAKA ET AL SHEET <u>8</u> OF <u>22</u>

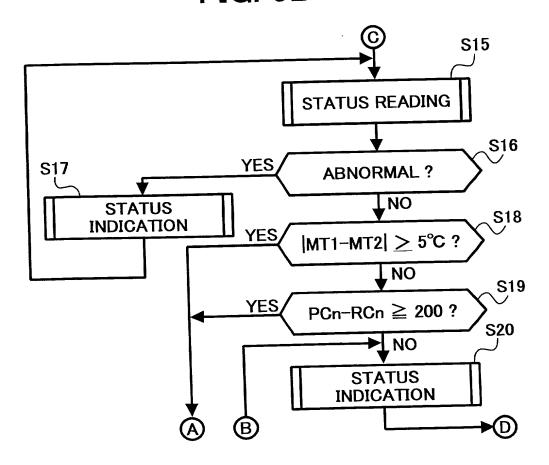
TIME c'd'd'd'd'd'd FIG. 8 ⋖ DETECTING Sy SIGNAL Sdr

OBLON, SPIVAK, ET AL DOCKET #: 217822US-2 INV: TETSUO YAMANAKA ET AL



OBLON, SPIVAK, ET AL DOCKET #: 217822US-2 INV: TETSUO YAMANAKA ET AL SHEET <u>10</u> OF <u>22</u>

FIG. 9B



OBLON, SPIVAK, EŢ AL DOCKET #: 217822ÚS-2 ' INV: TETSUO YAMANAKA ET AL SHEET 11 OF 22

FIG. 10A

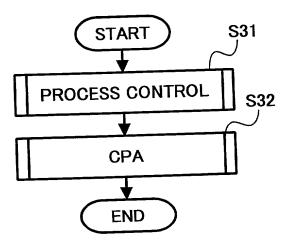
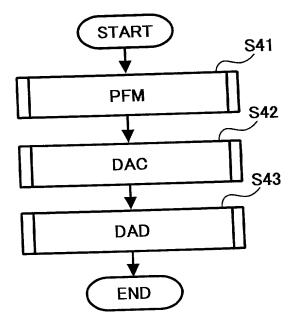


FIG. 10B

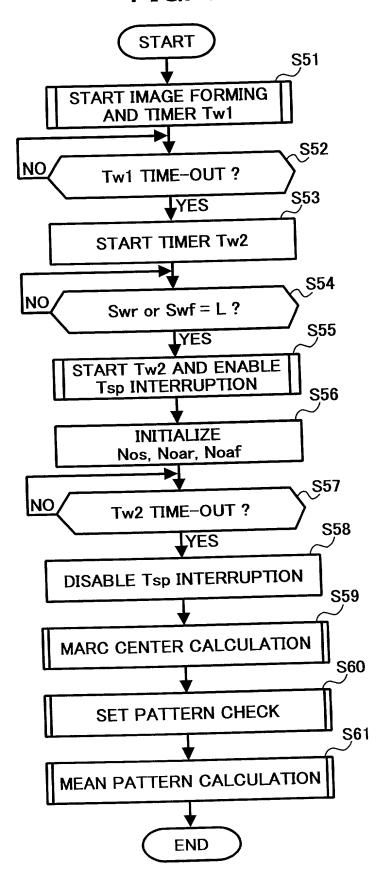


OBLON, SPIVAK, ET AL DOCKET #: 217822US-2

INV: TETSUO YAMANAKA ET AL

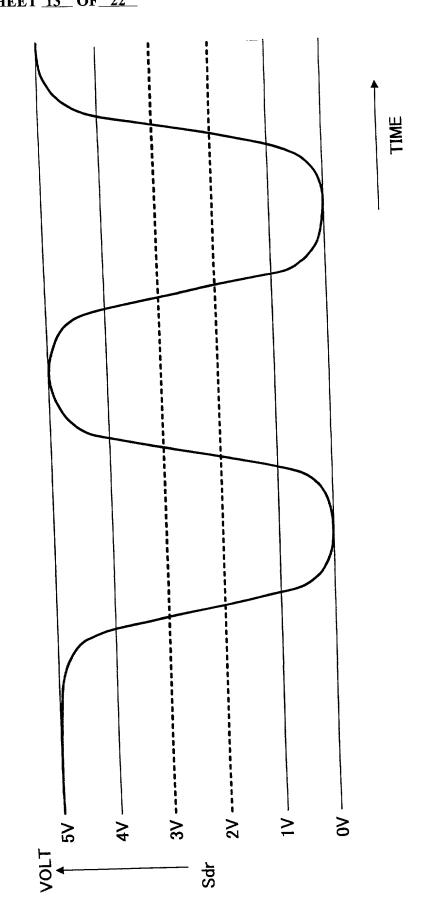
SHEET 12 OF 22

FIG. 11



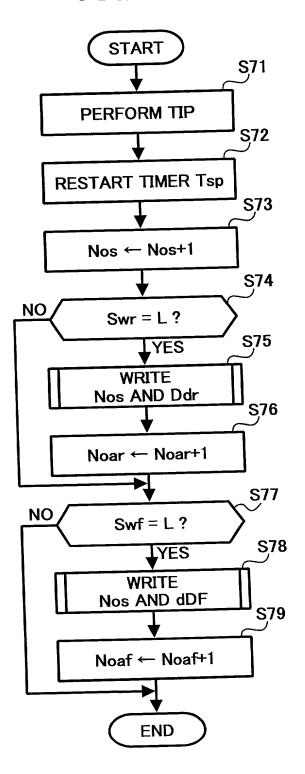
OBLON, SPIVAK, ET AL DOCKET #: 217822US-2 INV: TETSUO YAMANAKA ET AL SHEET 13 OF 22

FIG. 12



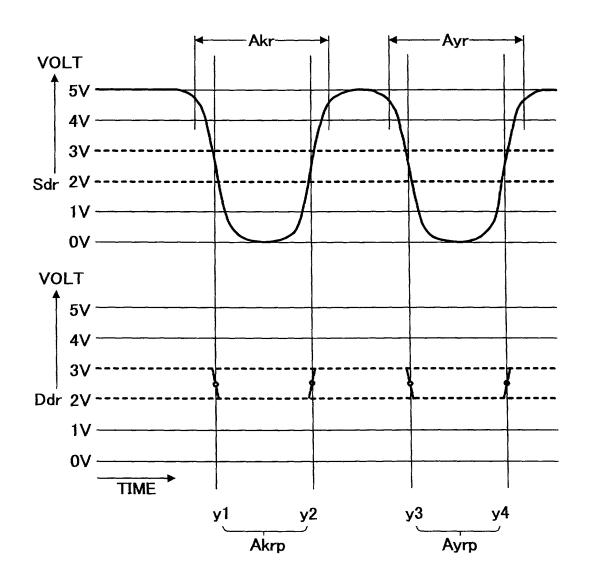
OBLON, SPIVAK, ET AL DOCKET #: 217822US-2 INV: TETSUO YAMANAKA ET AL SHEET <u>14</u> OF <u>22</u>

FIG. 13



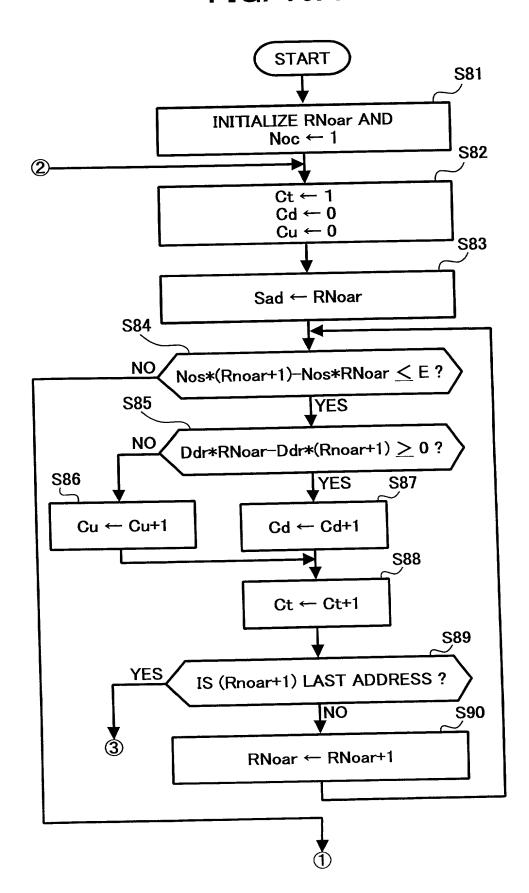
OBLON, SPIVAK, ET-AL DOCKET #: 217822US-2 INV: TETSUO YAMANAKA ET AL SHEET <u>15</u> OF <u>22</u>

FIG. 14



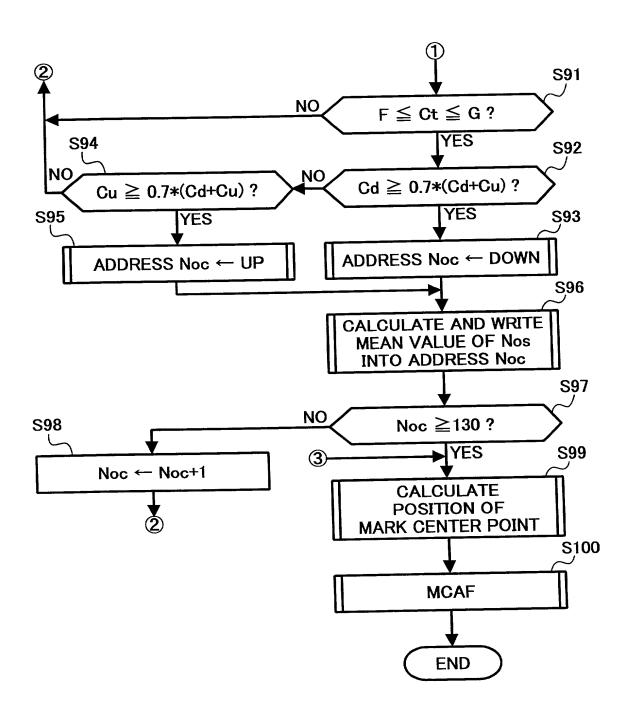
OBLON, SPIVAK, ET AL DOCKET #: 217822US-2 INV: TETSUO YAMANAKA ET AL SHEET <u>16</u> OF <u>22</u>

FIG. 15A



OBLON, SPIVAK, ET AL DOCKET #: 217822US-2 INV: TETSUO YAMANAKA ET AL SHEET <u>17</u> OF <u>22</u>

FIG. 15B



OBLON, SPIVAK, ET AL DOCKET #: 217822US-2

INV: TETSUO YAMANAKA ET AL

SHEET <u>18</u> OF <u>22</u>

MAkr EMAyr MAcr Nos Mcr Mdr Mer Mgr Mhf Mgf ¥± Mef Mdf Mcf Mcf Mbf Maf

FIG. 16

OBLON, SPIVAK, ET AL DOCKET #: 217822US-2

INV: TETSUO YAMANAKA ET AL

SHEET <u>19</u> OF <u>22</u>

FIG. 17

S42

Ack-

BK COLOR DISPLACEMENT CALCULATION

- 1. MAIN SCANNING DISPLACEMENT dxk
- 2. SKEW dSqk
- 3. MAIN SCANNING LINE LENGTH DISPLACEMENT dLxk

Acy-

Y COLOR DISPLACEMENT CALCULATION

- 1. SUB-SCANNING DISPLACEMENT dyy
- 2. MAIN SCANNING DISPLACEMENT dxy
- 3. SKEW dSqy
- 4. MAIN SCANNING LINE LENGTH DISPLACEMENT dLxy

Acc.

C COLOR DISPLACEMENT CALCULATION

- 1. SUB-SCANNING DISPLACEMENT dyc
- 2. MAIN SCANNING DISPLACEMENT dxc
- 3. SKEW dSqc
- 4. MAIN SCANNING LINE LENGTH DISPLACEMENT dLxc

Acm

M COLOR DISPLACEMENT CALCULATION

- 1. SUB-SCANNING DISPLACEMENT dym
- 2. MAIN SCANNING DISPLACEMENT dxm
- 3. SKEW dSqm
- 4. MAIN SCANNING LINE LENGTH DISPLACEMENT dLxm

OBLON, SPIVAK, ET AL DOCKET #: 217822US-2 INV: TETSUO YAMANAKA ET AL

SHEET <u>20</u> OF <u>22</u>

FIG. 18

S43

Adk-

BK COLOR DISPLACEMENT ADJUSTMENT

- 1. MAIN SCANNING DISPLACEMENT dxk
- 2. SKEW dSqk
- 3. MAIN SCANNING LINE LENGTH DISPLACEMENT dLxk

Ady-

Y COLOR DISPLACEMENT ADJUSTMENT

- 1. SUB-SCANNING DISPLACEMENT dyy
- 2. MAIN SCANNING DISPLACEMENT dxy
- 3. SKEW dSqy
- 4. MAIN SCANNING LINE LENGTH DISPLACEMENT dLxy

Adc-

C COLOR DISPLACEMENT ADJUSTMENT

- 1. SUB-SCANNING DISPLACEMENT dyc
- 2. MAIN SCANNING DISPLACEMENT dxc
- 3. SKEW dSqc
- 4. MAIN SCANNING LINE LENGTH DISPLACEMENT dLxc

Adm-

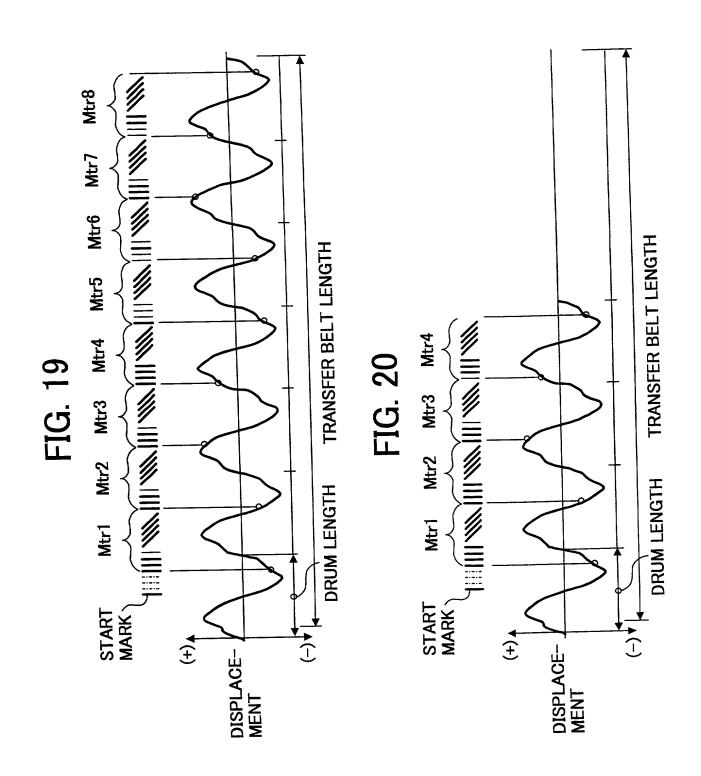
M COLOR DISPLACEMENT ADJUSTMENT

- 1. SUB-SCANNING DISPLACEMENT dym
- 2. MAIN SCANNING DISPLACEMENT dxm
- 3. SKEW dSqm
- 4. MAIN SCANNING LINE LENGTH DISPLACEMENT dLxm

OBLON, SPIVAK, ET AL DOCKET #: 217822US-2

INV: TETSUO YAMANAKA ET AL

SHEET <u>21</u> OF <u>22</u>



OBLON, SPIVAK, ET-AL DOCKET #: 217822US-2

INV: TETSUO YAMANAKA ET AL

SHEET 22 OF 22

FIG. 21

